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OM protein - protein search, using sw model

Run on: June 1, 2004, 15:17:20 ; Search time 48 seconds  
(without alignments)  
2082.736 Million cell updates/sec

Title: US-09-464-685-1  
Perfect score: 1874  
Sequence: 1 MGFNLTAKLPNNELHGOES.....RSLQSVRRSEVIYDYTDV 358

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 1151071 seqs, 279249464 residues

al number of hits satisfying chosen parameters: 1151071

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications AA:  
1: /cgm2\_6/ptodata/1/pubpaa/US07\_PUBCOMB.pep:  
2: /cgm2\_6/ptodata/1/pubpaa/PCT\_NEW\_PUB.pep:  
3: /cgm2\_6/ptodata/1/pubpaa/US06\_NEW\_PUB.pep:  
4: /cgm2\_6/ptodata/1/pubpaa/US06\_PUBCOMB.pep:  
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6: /cgm2\_6/ptodata/1/pubpaa/PCTUS\_PUBCOMB.pep:  
7: /cgm2\_6/ptodata/1/pubpaa/US08\_NEW\_PUB.pep:  
8: /cgm2\_6/ptodata/1/pubpaa/US08\_PUBCOMB.pep:  
9: /cgm2\_6/ptodata/1/pubpaa/US09A\_PUBCOMB.pep:  
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11: /cgm2\_6/ptodata/1/pubpaa/US09C\_PUBCOMB.pep:  
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14: /cgm2\_6/ptodata/1/pubpaa/US10B\_PUBCOMB.pep:  
15: /cgm2\_6/ptodata/1/pubpaa/US10C\_PUBCOMB.pep:  
16: /cgm2\_6/ptodata/1/pubpaa/US10\_NEW\_PUB.pep:  
17: /cgm2\_6/ptodata/1/pubpaa/US60\_NEW\_PUB.pep:  
18: /cgm2\_6/ptodata/1/pubpaa/US60\_PUBCOMB.pep:

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Match	Length	DB ID	Description
1	1874	100.0	358	9	US-09-826-508-10
2	1874	100.0	358	10	US-09-741-783-1
3	1874	100.0	358	12	US-10-165-844-1
4	1874	100.0	358	14	US-10-225-567A-418
5	1874	100.0	358	15	US-10-295-027-364
6	1874	100.0	358	15	US-10-295-027-1255
7	1874	100.0	358	16	US-10-188-832-135
8	1867	99.6	358	16	US-10-692-605-18
9	1846	98.5	358	9	US-09-919-172-22
10	1846	98.5	358	9	US-09-974-298-86
11	1846	98.5	358	14	US-10-121-101B-1
12	889	47.4	196	15	US-10-264-237-2659
13	768.5	41.0	338	9	US-09-919-497-77
14	768.5	41.0	338	10	US-09-745-842-13
15	768.5	41.0	338	12	US-10-433-146-1

16	768.5	41.0	338	14	US-10-121-101B-10	Sequence 10, Appl
17	768.5	41.0	338	14	US-10-225-567A-213	Sequence 213, App
18	768.5	41.0	338	15	US-10-352-684A-42	Sequence 42, Appl
19	762.5	40.7	325	14	US-10-024-494-29	Sequence 29, Appl
20	742.5	39.6	338	9	US-09-826-508-20	Sequence 20, Appl
21	742.5	39.6	338	12	US-10-433-146-2	Sequence 2, Appl
22	703.5	37.5	333	14	US-10-189-576-2	Sequence 2, Appl
23	700.5	37.4	343	10	US-09-745-842-2	Sequence 2, Appl
24	694.5	37.1	342	9	US-09-835-922-2	Sequence 2, Appl
25	694.5	37.1	342	9	US-09-827-937A-2	Sequence 2, Appl
26	694.5	37.1	342	9	US-09-780-576-2	Sequence 2, Appl
27	694.5	37.1	342	9	US-09-964-008-1	Sequence 1, Appl
28	694.5	37.1	342	10	US-09-745-842-6	Sequence 6, Appl
29	694.5	37.1	342	12	US-09-875-076-32	Sequence 32, Appl
30	694.5	37.1	342	12	US-09-876-252-34	Sequence 34, Appl
31	694.5	37.1	342	12	US-10-343-550A-26	Sequence 26, Appl
32	694.5	37.1	342	14	US-10-225-567A-643	Sequence 643, App
33	694.5	37.1	342	14	US-10-373-844-2	Sequence 2, Appl
34	694.5	37.1	342	14	US-10-272-983-32	Sequence 32, Appl
35	694.5	37.1	342	14	US-10-393-807-32	Sequence 32, Appl
36	694.5	37.1	342	15	US-10-417-820A-34	Sequence 34, Appl
37	692.5	37.0	315	10	US-09-745-842-4	Sequence 4, Appl
38	692.5	37.0	333	10	US-09-924-125-2	Sequence 2, Appl
39	692.5	37.0	333	10	US-09-957-187-2	Sequence 2, Appl
40	692.5	37.0	333	14	US-10-243-106-2	Sequence 2, Appl
41	692.5	37.0	333	14	US-10-225-567A-514	Sequence 514, App
42	692.5	37.0	333	15	US-10-352-684A-34	Sequence 34, Appl
43	692.5	37.0	333	15	US-10-308-368-2	Sequence 2, Appl
44	692.5	37.0	333	16	US-10-692-605-8	Sequence 8, Appl
45	690.5	36.8	333	9	US-09-769-159-2	Sequence 2, Appl

ALIGNMENTS

RESULT 1  
US-09-826-508-10  
; Sequence 10, Application US/09826508  
; Patent No. US20010025099A1  
; GENERAL INFORMATION:  
; APPLICANT: Nabil Elshourbagy  
; APPLICANT: Lisa Vawter  
; TITLE OF INVENTION: G Protein-Coupled Receptor Polypeptides  
; FILE REFERENCE: GP-70744USB  
; CURRENT APPLICATION NUMBER: US/09/826.508  
; CURRENT FILING DATE: 2001-04-05  
; NUMBER OF SEQ ID NOS: 40  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 10  
; LENGTH: 358  
; TYPE: PRT  
; ORGANISM: HOMO SAPIENS  
US-09-826-508-10

Query Match	100.0%	Score 1874;	DB 9;	Length 358;
Best Local Similarity	100.0%	Pred. No. 6.3e-162;		
Matches 358;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
QY	1	MGFNLTLAKLPNNELHGOESHNSGRSDGPKNTLHNEFTIVLPVLYLIIFVASILLN	60	
DB	1	MGFNLTLAKLPNNELHGOESHNSGRSDGPKNTLHNEFTIVLPVLYLIIFVASILLN	60	
QY	61	GLAWIPEPHIRKNTSFYLNKNIIVADLIMTLTPFPRIVHDAGGPGWYFKILCRYTSVL	120	
DB	61	GLAWIPEPHIRKNTSFYLNKNIIVADLIMTLTPFPRIVHDAGGPGWYFKILCRYTSVL	120	
QY	121	FYANNYSIVPLGLISIDRYLKVKVPFGDSRMYSITTKVLSVCVWIMAVLSLPNILLT	180	
DB	121	FYANNYSIVPLGLISIDRYLKVKVPFGDSRMYSITTKVLSVCVWIMAVLSLPNILLT	180	
QY	181	NGQPTDNHDCSKLSPGLGVKWHATVYVNSCLFVAVLILICYIAISRYIHKSRQP	240	

Db 181 NQOPTEDNIHDCSKLSPGLGVKHTAVTVYNSCLFVAVLVILGCIYAIISRYIHKSRQF 240  
 Qy 241 ISQSRKRNQNSIRVVAVFTCTFLPYHLCKRIPFTFSLHDLRLDESAQKILYCKEITL 300  
 Db 241 ISQSRKRNQNSIRVVAVFTCTFLPYHLCKRIPFTFSLHDLRLDESAQKILYCKEITL 300  
 Qy 301 FLSACNVCLDPIIYFFMCRSFRRLFKKSNIRTRSESIRSLQSVRRSEVRYYDYTDV 358  
 Db 301 FLSACNVCLDPIIYFFMCRSFRRLFKKSNIRTRSESIRSLQSVRRSEVRYYDYTDV 358

## RESULT 2

US-09-741-783-1  
 ; Sequence 1, Application US/09741783  
 ; Publication No. US20030162172A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Gluckmann, Maria A.  
 ; APPLICANT: Hunter, John J.  
 ; APPLICANT: Rudolph-Owen, Laura  
 ; APPLICANT: Welch, Nadine S.  
 ; TITLE OF INVENTION: 2871. RECEPTOR, A NOVEL G-PROTEIN COUPLED RECEPTOR  
 ; FILE REFERENCE: 35800/207283  
 ; CURRENT APPLICATION NUMBER: US/09/741,783  
 ; PRIOR FILING DATE: 2000-12-18  
 ; PRIOR APPLICATION NUMBER: 09/464,685  
 ; PRIOR FILING DATE: 1999-12-16  
 ; PRIOR APPLICATION NUMBER: 09/324,465  
 ; PRIOR FILING DATE: 1999-06-02  
 ; PRIOR APPLICATION NUMBER: 09/088,857  
 ; PRIOR FILING DATE: 1998-06-02  
 ; NUMBER OF SEQ ID NOS: 6  
 ; SOFTWARE: Patent In Ver. 2.1  
 ; SEQ ID NO 1  
 ; LENGTH: 358  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-09-741-783-1

Query Match 100.0%; Score 1874; DB 10; Length 358;  
 Best Local Similarity 100.0%; Pred. No. 6.3e-162;  
 Matches 358; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 Qy 1 MGFNLTAKLPNNELHQSNSGNSRSDGPGKNTLHNEFDIVLPVLYLIIFVASILLN 60  
 Db 1 MGFNLTAKLPNNELHQSNSGNSRSDGPGKNTLHNEFDIVLPVLYLIIFVASILLN 60  
 Qy 61 GLAVWIFPHIRNKTSTFIYLNKNIWVADLIMTLTPPFRIVHDAGFGPWYKPKILCRYTSVL 120  
 Db 61 GLAVWIFPHIRNKTSTFIYLNKNIWVADLIMTLTPPFRIVHDAGFGPWYKPKILCRYTSVL 120  
 Qy 121 FYANNMTSIVFLGLISIDRYLKVVKPGDSRMYSITFTKVLSCVWVIMAVLSLPIIILT 180  
 Db 121 FYANNMTSIVFLGLISIDRYLKVVKPGDSRMYSITFTKVLSCVWVIMAVLSLPIIILT 180  
 Qy 181 NQOPTEDNIHDCSKLSPGLGVKHTAVTVYNSCLFVAVLVILGCIYAIISRYIHKSRQF 240  
 Db 181 NQOPTEDNIHDCSKLSPGLGVKHTAVTVYNSCLFVAVLVILGCIYAIISRYIHKSRQF 240  
 Qy 241 ISQSRKRNQNSIRVVAVFTCTFLPYHLCKRIPFTFSLHDLRLDESAQKILYCKEITL 300  
 Db 241 ISQSRKRNQNSIRVVAVFTCTFLPYHLCKRIPFTFSLHDLRLDESAQKILYCKEITL 300  
 Qy 301 FLSACNVCLDPIIYFFMCRSFRRLFKKSNIRTRSESIRSLQSVRRSEVRYYDYTDV 358  
 Db 301 FLSACNVCLDPIIYFFMCRSFRRLFKKSNIRTRSESIRSLQSVRRSEVRYYDYTDV 358

## RESULT 3

US-10-165-844-1  
 ; Sequence 1, Application US/10165844  
 ; Publication No. US20030017539A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Brown, Joseph P.  
 ; APPLICANT: Bumer, Glenn C.  
 ; APPLICANT: Roush, Christine L.

; APPLICANT: Gluckmann, Maria Alexandra  
 ; APPLICANT: Hodge, Martin R.  
 ; APPLICANT: Hunter, John J.  
 ; APPLICANT: Rudolph-Owen, Laura  
 ; APPLICANT: Welch, Nadine S.  
 ; APPLICANT: Silos-Santiago, Inmaculada  
 ; TITLE OF INVENTION: G-Protein Coupled Receptors  
 ; FILE REFERENCE: 35800/248302  
 ; CURRENT APPLICATION NUMBER: US/10/165,844  
 ; CURRENT FILING DATE: 2002-06-07  
 ; PRIOR APPLICATION NUMBER: US 09/088,857  
 ; PRIOR FILING DATE: 1998-06-02  
 ; PRIOR APPLICATION NUMBER: US 09/324,465  
 ; PRIOR FILING DATE: 1999-06-02  
 ; PRIOR APPLICATION NUMBER: US 09/464,685  
 ; PRIOR FILING DATE: 1999-12-16  
 ; PRIOR APPLICATION NUMBER: US 09/741,783  
 ; PRIOR FILING DATE: 2000-12-18  
 ; PRIOR APPLICATION NUMBER: US 09/145,745  
 ; PRIOR FILING DATE: 1998-09-02  
 ; PRIOR APPLICATION NUMBER: US 09/383,745  
 ; PRIOR FILING DATE: 1999-08-26  
 ; PRIOR APPLICATION NUMBER: US 09/234,923  
 ; PRIOR FILING DATE: 1999-01-21  
 ; PRIOR APPLICATION NUMBER: US 09/340,880  
 ; PRIOR FILING DATE: 1999-06-28  
 ; NUMBER OF SEQ ID NOS: 26  
 ; SOFTWARE: FastSeq for Windows Version 4.0  
 ; SEQ ID NO 1  
 ; LENGTH: 358  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-10-165-844-1

Query Match 100.0%; Score 1874; DB 12; Length 358;  
 Best Local Similarity 100.0%; Pred. No. 6.3e-162;  
 Matches 358; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 Qy 1 MGFNLTAKLPNNELHQSNSGNSRSDGPGKNTLHNEFDIVLPVLYLIIFVASILLN 60  
 Db 1 MGFNLTAKLPNNELHQSNSGNSRSDGPGKNTLHNEFDIVLPVLYLIIFVASILLN 60  
 Qy 61 GLAVWIFPHIRNKTSTFIYLNKNIWVADLIMTLTPPFRIVHDAGFGPWYKPKILCRYTSVL 120  
 Db 61 GLAVWIFPHIRNKTSTFIYLNKNIWVADLIMTLTPPFRIVHDAGFGPWYKPKILCRYTSVL 120  
 Qy 121 FYANNMTSIVFLGLISIDRYLKVVKPGDSRMYSITFTKVLSCVWVIMAVLSLPIIILT 180  
 Db 121 FYANNMTSIVFLGLISIDRYLKVVKPGDSRMYSITFTKVLSCVWVIMAVLSLPIIILT 180  
 Qy 181 NQOPTEDNIHDCSKLSPGLGVKHTAVTVYNSCLFVAVLVILGCIYAIISRYIHKSRQF 240  
 Db 181 NQOPTEDNIHDCSKLSPGLGVKHTAVTVYNSCLFVAVLVILGCIYAIISRYIHKSRQF 240  
 Qy 241 ISQSRKRNQNSIRVVAVFTCTFLPYHLCKRIPFTFSLHDLRLDESAQKILYCKEITL 300  
 Db 241 ISQSRKRNQNSIRVVAVFTCTFLPYHLCKRIPFTFSLHDLRLDESAQKILYCKEITL 300  
 Qy 301 FLSACNVCLDPIIYFFMCRSFRRLFKKSNIRTRSESIRSLQSVRRSEVRYYDYTDV 358  
 Db 301 FLSACNVCLDPIIYFFMCRSFRRLFKKSNIRTRSESIRSLQSVRRSEVRYYDYTDV 358

## RESULT 4

US-10-225-567A-418  
 ; Sequence 418, Application US/10225567A  
 ; Publication No. US20030113798A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: LifeSpan Biosciences  
 ; APPLICANT: Brown, Joseph P.  
 ; APPLICANT: Bumer, Glenn C.  
 ; APPLICANT: Roush, Christine L.